AMENDMENTS TO THE CLAIMS

The following is a complete, marked-up listing of revised claims with a status identifier in parentheses, underlined text indicating insertions, and strikethrough and/or double-bracketed text indicating deletions.

LISTING OF CLAIMS

1. (currently amended) A method for controlling data flow using a leaky bucket data flow control scheme, the method comprising:

adjusting a granularity of the leaky bucket data flow scheme with a <u>granularity</u> scalar parameter, the <u>granularity</u> scalar parameter modifying the leaky bucket data flow control scheme <u>to modify the granularity of information relating to the level of the leaky bucket</u> to control data flow.

2. (original) The method according to claim 1, further comprising:

adjusting the scalar parameter based upon a user determined scaling value.

3. (original) The method according to claim 1, wherein the scalar parameter is within a predetermined range.

4. (original) The method according to claim 2, wherein the step of adjusting is performed dynamically.

5. (orignal) The method according to claim 1, wherein the scalar parameter modifies a bucket full ratio.

6. (currently amended) A method for data flow control comprising:

scaling a control parameter <u>of a leaky bucket data flow scheme</u> for adjusting the granularity <u>of information relating to the level of the leaky bucket</u> for controlling data flow ~~based upon a leaky bucket data flow scheme~~, the control parameter modifying a bucket capacity parameter for the leaky bucket data flow control scheme.

7. (original) The method according to claim 6, wherein the scaling is performed within a predetermined range.

8. (original) The method according to claim 7, wherein the predetermined range is between an empty bucket level and a maximum bucket level.

9. (original) The method according to claim 7, further comprising:
using a user defined scaling value for scaling the control parameter.

10. (original) The method according to claim 7, wherein the bucket capacity parameter is a bucket full ratio for the leaky bucket data flow scheme.

11. (original) The method according to claim 7, further comprising:
dynamically adjusting the granularity based upon scaling of the control parameter.

12. (original) The method according to claim 7, further comprising:
varying data flow based upon scaling of the control parameter.

13. (currently modified) A method for controlling data flow using a leaky bucket data flow control scheme, the method comprising:
modifying a bucket capacity indicator to provide enhanced granularity of information relating to the level of the leaky bucket to enhance the granularity of the leaky bucket data flow control scheme.

14. (original) The method according to claim 13, wherein the bucket capacity indicator is a bucket full ratio.

15. (original) The method according to claim 13, wherein the step of modifying comprises:

using a scalar value to modify the bucket capacity indicator.

16. (original) The method according to claim 15, further comprising: establishing the scalar value based upon system requirements.

17. (original) The method according to claim 15, further comprising: dynamically changing the scalar value.